

## **ABSTRACT**

A method for calibrating electric motors using current-sensing only is disclosed. The method involves applying a voltage in pulse-width modulated fashion for a short time to insure motion of the motor. Following startup, varying voltages are pulsed to the motor, switching polarity at regular intervals.

- 5 The current generated in the motor by each level of voltage is measured. The data generated provide a reasonably accurate view of the properties of the motor, allowing for more precise velocity control.